Name	Probe Sequence (5' - 3')	Target region* rRNA	Binding Specificity
Hpy1-16S-753	GCTTTCGCGCAATCAGCG SEQ ID No:5	753-770 (16S)	H. pylori
120 b	AGGCACATGATCTATGCG SEQ ID No:6	120-137 (16S)	H. pylori
Hpyl-16S-585	CACACCTGACTGACTATCCCG SEQ ID No:7	585-605 (16S)	H. pylori H. nemestrinae
Hpyl-16S-219	GGACATAGGCTGATCTCTTAGC SEQ ID No:8	219-240 (16S)	H. pylori
Hh1	CCCACACTCCAGAAG (G/A) ATAG SEQ ID No:9	644-663 (16S)	H. heilmannii
Hh2	CCCACACTCTAGGGTT (G/T) GCAG SEQ ID No:10	644-664 (16S)	H. heilmannii
Hh3	CCCACACTCTAGAAAGATAG SEQ ID No:11	644-663 (16S)	H. heilmannii
Hh4	CACATCTGACTTGCCACCCCG SEQ ID No:12	585-605 (16S)	H. heilmannii
ClaR1	CGGGGTCTTCCCGTCTT SEQ ID No:1	2051-2067 (23S)	A2058G (Cla^R)
ClaR2	CGGGGTCTCTCCGTCTT SEQ ID No:2	2051-2067 (23S)	A2059G (Cla^R)
ClaR3	CGGGGTCTTGCCGTCTT SEQ ID No:3	2051-2067 (23S)	A2058C (Cla^R)
ClaWT	CGGGGTCTTTCCGTCTT SEQ ID No:4	2051-2067 (23S)	Wild type (Cla^R)

Page 41, please delete table 7 and insert the following new table 7:

Table 7:

Comparison of the 23S rRNA sequences of various bacterial species within the clarithromycin resistance region

Probe sequence		5'-CGGGGTCTTTCCGTCTT-3 SEQ ID No:4
rRNA sequence	mis	5'-AAGACGGAAAGACCCCG-3 SEQ ID No:13
Helicobacter pylori claWT	0	ACCCGCGGC-==========-UGGACCUUU
Helicobacter pylori claR1	1	ACCCGCGGC-=======G=========-UGGACCUUU
Helicobacter pylori claR2	1	ACCCGCGGC-=======G=========-UGGACCUUU
Helicobacter pylori claR3	1	ACCCGCGGC-======C========-UGGACCUUU
Campylobacter jejuni	0	ACCCGCGGC-==========-UGGACCUUU
Campylobacter coli	0	ACCCGCGGC-==========-UGGACCUUU
Wolinella succinogenes	0	ACCCGCGGC-==========-UGGACCUUU
Nannocystis exedens	0	ACCCGCGGC-==========-UGAACCUUU
Escherichia coli	0	ACCCGCGGC-==========-UGAACCUUU
Salmonella typhi	0	ACCCGCGGC-==========-UGAACCUUU
Enterobacter cloacae	0	ACCCGCGGC-==========-UGAACCUUU
Citrobacter freundii	0	ACCCGCGGC-==========-UGAACCUUU
Klebsiella pneumoniae	0	ACCCGCGGC-==========-UGAACCUUU
Yersinia pestis	0	ACCCGCGGC-==========-UGAACCUUU
Plesiomonas shigelloides	0	ACCCGCGGC-==========-UGAACCUUU
Haemophilus influenzae	1	ACCCGCGGC-U==========-UGAACCUUU
Vibrio vulnificus	1	ACCCGCGGC-U==========-UGAACCUUU
Aeromonas hydrophila	1	ACCCGCGGC-U==========-UGAACCUUU
Pseudomonas aeruginosa	1	AUCCGCGGC-U==========-UGAACCUUU
Acinetobacter calcoaceticus	1	ACCCGCGGC-U==========-UGAACCUUU
Neisseria meningitidis	1	ACCCGCUGC-U==========-UGAACCUUU
Bordetella pertussis	2	ACCCGCGGC-U==========A-UGAACCUUU
Bartonella bacilliformis	1	UCCUGCGGU-U==========-UGCACCUUU
Rickettsia rickettsii	1	UCCCGCGGU-C==========-UGAACCUUU
Borrelia burgdorferi	1	ACUUGUGGU-U==========-UGAACCUUU
Leptospirillum ferrugineum	2	CCCCGCGGC-U==========U=-UGCACCUUU
Listeria monocytogenes	1	ACCCGCGAC-=G==========-UGGAGCUUU
Staphylococcus aureus	1	ACCCGCGAC-=G==========-UGGAGCUUU
Bacillus anthracis	1	ACCCGCGAC-=G==========N=-UGGAGCUUU
Mycoplasma hyopneumoniae	1	ACCCGCAUC-=====A==========-UGGAGCUUU
Mycoplasma pneumoniae	2	AGGCGCAAC-GG==========-UGAAGCUUU
Streptococcus parauberis	2	ACCCGCGAC-=G==========A-UGGAGCUUU
Lactococcus lactis	2	ACCCGCGAC-=G==========A-UGGAGCUUU
Enterococcus faecalis	2	ACCCGCGAC-=G==========A-UGGAGCUUU
Clostridium botulinum	2	ACCCGCGAU-UG==========-UAGAGCUUU
Streptomyces griseus	1	UCGCGCAGC-=G==========-GGACCUUUA
Micrococcus luteus	1	ACGCGCAGA-=G==========-UGACCUUUA
Corynebacterium glutamicum	1	ACGCGCGGC-=G==========-GGACCUUCA
Gardnerella vaginalis	1	AAGCGCAGA-=G==========-GGACCUUUA
Mycobacterium leprae	2	ACGUGCGGC-=G====A==========-GGACCUUCA
Bifidobacterium bifidum	2	AAGCGCAGA-=G====A==========-GGACCUUUA
Chlamydia trachomatis	2	ACCCGCGAA-=G====A==========-UGAACCUUU
Chlamydia pneumoniae	2	CCCCGCAAA-=G====A==========-UGAACCUUU
Bacteroides fragilis	3	ACCCGCGAU-GG====A==========-UGAACCUUU